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Notice of Allowability	Application No.	Applicant(s)
	10/615,942	SUN ET AL.
	Examiner Richard L. Chiesa	Art Unit 1724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the filing of the application on July 10, 2003.
2. The allowed claim(s) is/are claims 1-9.
3. The drawings filed on 10 July 2003 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other See Continuation below..

Richard L. Chiesa
Primary Examiner
Art Unit: 1724

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicants, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

The word "closed" (page 2, line 16) has been changed to --close--.

The word "tank" (page 4, line 12) has been changed to --tanks--.

The word --air-- has been inserted between "compressed" and "in" (page 6, line 8).

The word "times" (page 7, line 14) has been changed to --time--.

The word "remain" (page 8, line 5) has been changed to --remaining--.

The expression "firs" (page 9, line 5) has been changed to --first--.

The word --to-- has been inserted between "air" and "pass" (page 9, lines 7 and 11).

The word "he" (claim 1, line 21) has been changed to --the--.

The phrase "the air compressor" (claim 3, line 3) has been changed to --an air compressor--.

The word --end-- has been inserted between "second" and "respectively" (claim 3, line 5).

The word "an" at the beginning of line 13 in claim 3 has been changed to --the--.

The word --to-- has been inserted between "air" and "pass" (claim 3, line 14).

The above changes have been made to correct obvious typographical and/or grammatical errors.

The word "pending" (page 1, line 7) has been changed to --U.S. Patent No. 6,616,719--.

EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: The prior art fails to teach or fairly suggest the recited air-liquid separating apparatus with the recited cooling device, air source, first transfer tube, liquid cooling tank, spiral cooling tube, second transfer tube, air-liquid separating tank, water drain, air outlet, backflow tube in the recited positioning and operative relationship.

Any comments considered necessary by applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard L. Chiesa whose telephone number is (571) 272-1154.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Blaine R. Copenheaver, can be reached at (571) 272-1156.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center 1700 receptionist whose telephone number is (571) 272-0987.

Facsimile correspondence must be transmitted through (703) 872-9306.

Application/Control Number: 10/615,942
Art Unit: 1724

Page 4

Richard L. Chiesa
May 13, 2004

Richard L. Chiesa

RICHARD L. CHIESA
PRIMARY EXAMINER
ART UNIT 1724

May 13, 2004